

Statewide Portable Equipment Registration Program
 Fleet Average Emission Calculation Sheet for Engines Under 175 Brake Horsepower

	A	B	C	Times	D	Equals	E
	Company Unit I.D. Number (optional)	PERP Registration Number or District Permit Number	Engine Horsepower bhp	X	Emission Factor ef	=	bhp x ef
1	<hr/>	<hr/>	<hr/>		<hr/>		<hr/>
2	<hr/>	<hr/>	<hr/>		<hr/>		<hr/>
3	<hr/>	<hr/>	<hr/>		<hr/>		<hr/>
4	<hr/>	<hr/>	<hr/>		<hr/>		<hr/>
5	<hr/>	<hr/>	<hr/>		<hr/>		<hr/>

Add the bhp values in Column C and put the total here:

Total bhp
"X"

Add the ef values in Column E and put the total here

Total bhp x ef
"Y"

Divide Y by X and put the result here.

This is your fleet average:

Y ÷ X

Write the **emission standard** for the year and horsepower range here (see next page):

If the fleet average is equal to or less than the emission standard, the fleet meets the requirements for the compliance date.

Fleet Average Emission Standards for Engines Under 175 bhp

<i>January 1, 2013</i>
PM standard, g/bhp-hr
0.13

<i>January 1, 2017</i>
PM standard, g/bhp-hr
0.18

<i>January 1, 2020</i>
PM standard, g/bhp-hr
0.04

Revised 12/2008

PERP Registration forms are available at www.arb.ca.gov/portable/perp/perp.htm

1. *General – This sheet is provided to help in doing the calculations necessary to determine compliance with the Fleet Requirements of the Portable Engine Air Toxic Control Measure (ATCM).*
2. *Columns A – E – The information for these boxes can be determined as follows;*

Column A: Company Unit I.D. Number – This is your company's number designation for the unit.

Column B: PERP Registration Number or District Permit Number – This can be found on the district permit to operate or on the Portable Equipment Registration Program (PERP) registration certificate.

Column C: Engine horsepower – This is the engine's maximum rated horsepower. It can be found on the district permit or on the Portable Equipment Registration Program (PERP) registration certificate.

Column D: Emission Factor – This is the PM emission factor from one of the following sources:

For PERP-registered engines, it is the emission factor listed on the registration certificate. This will be the emission factor from the California Air Resources Board Executive Order publishing the engine certification or for Tier 1 engines under 175 bhp, for which there was no emission standard, an emission factor of 0.87 g/bhp-hr for engines under 100 bhp and 0.46 for engines 100 to 174 bhp. If the emission factor is not listed on the registration certificate, it may be obtained by contacting PERP staff.

For district permitted engines, the emission factor may be listed on the permit to operate; otherwise it will be on the on the California Air Resources Board Executive Order publishing the engine certification.

For PERP-registered engines with SCR systems or engines with a verified emission control strategy, the results of emission tests as submitted to the Air Resources Board and indicted on the PERP registration certificate.

Column E: Multiply the bhp in Column C times the ef in Column D.